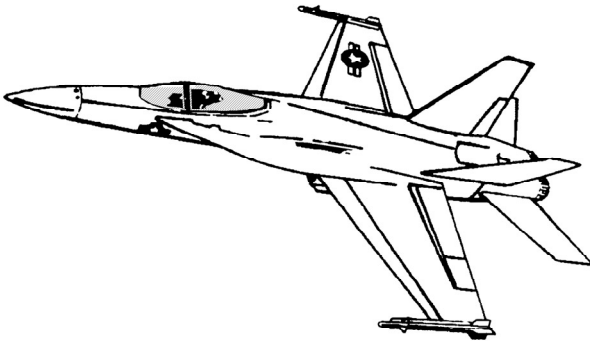


A1-F18AC-LWS-220

# Conventional Weapons

## CHECKLIST F/A-18A/B RELEASE & CONTROL A/G MISSILES



THIS PUBLICATION SUPERSEDES  
A1-F18AC-LWS-220 DTD 1 JUNE 1997  
AND ALL CHANGES THERETO

DISTRIBUTION STATEMENT C: Distribution authorized to U.S. Government agencies and their contractors to protect publications required for official use or for administrative or operational purposes only, determined on 1 October 2002. Other requests for this document shall be referred to Commanding Officer, Naval Air Technical Data and Engineering Service Command, Naval Air Station North Island, P.O. Box 357031, Building 90 Distribution, San Diego, CA 92135-7031.

DESTRUCTION NOTICE: For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

PUBLISHED BY DIRECTION OF THE  
COMMANDER, NAVAL AIR SYSTEMS COMMAND

**0801LP1016881**

1 OCT 2002

**NATEC ELECTRONIC MANUAL**

**CHANGES INCORPORATED**

Insert latest change pages; destroy superseded pages in accordance with applicable regulations.

Dates of issue for original and change pages are:

Basic .....0 (IRAC 1 Incorporated) .....1 Oct 2002

Total number of pages in this checklist is 42, consisting of the following:

<u>Pg. No.</u>	<u>Chg. No.</u>	<u>Pg. No.</u>	<u>Chg. No.</u>	<u>Pg. No.</u>	<u>Chg. No.</u>
Title .....	0	iv Blank .....	0		
A.....	0	1 - 36.....	0		
i - iii .....	0				

**ADDITIONAL COPIES OF THIS PUBLICATION MAY BE OBTAINED AS FOLLOWS:**

Procedures to be used by Naval activities and other Department of Defense organizations requiring NAVAIR technical publications are defined in the NAVAL AIR SYSTEMS COMMAND TECHNICAL MANUAL PROGRAM manual, NAVAIR 00-25-100 and Distribution of Aeronautical Technical Publications Instruction, NAVAIRINST 5605.4 series.

When an activity has a continuing requirement for automatic distribution of technical publications, the Automatic Distribution Requirement Listing (ADRL) shall be used. For complete information on distribution refer to NAVAIR 00-25-100.

---

**TABLE OF CONTENTS**

---

<u>TITLE</u>	<u>PAGE</u>
Changes Incorporated .....	A
Table of Contents .....	i
Introduction .....	i
Required Reading .....	ii
Aircraft Preparation .....	1
AGM-65E System .....	3
AGM-88 System .....	14
AGM-84 System .....	23
Postcheck .....	36

---

---

**INTRODUCTION**

---

This checklist contains abbreviated procedures extracted from the Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000.

This checklist contains procedures necessary to perform Release and Control Checks and provide a basis for determining a safe and reliable aircraft armament system.

This checklist is presented under the assumption that the aircraft armament system and associated equipment are ready to be checked.

---

---

**REQUIRED READING**

---

Checks may be performed with airborne stores (fuel tanks, ECM pod, empty VER, etc.) installed on the aircraft stations provided breech caps are disconnected and cartridges are removed. Appropriate Release and Control Check sections required for loading should be performed prior to loading. Anytime a malfunction occurs, stop the check and report the discrepancy to proper authority. After the malfunction has been corrected the check must be repeated in its entirety.

---

**REQUIRED READING (Continued)**

---

Release and Control team members must perform all tabularized steps within the tables of this checklist in sequence and no steps may be omitted except as noted herein. Team members may perform several steps simultaneously, provided they do not invalidate or interfere with a preceding or subsequent step and safety precautions are strictly observed. Sequential steps to be completed before or after performance of a table may be performed simultaneously when knowledge and understanding clearly dictate that safety will not be compromised.

Performance of this checklist may require additional actions that do not affect safety or reliability and are not specifically addressed. The team leader shall be qualified on the F/A-18A/B aircraft and is the approving authority for such actions.

Ensure compliance/incorporation of the following Technical Directives, as applicable:

<u>Technical Directive</u>	<u>Subject</u>
SEC 5177	AN/AWM-92, Modification of
SEC 5330	AN/AWM-92, Modification of

**PRELOADING CHECKS:**

<u>Weapon/Store</u>	<u>Check Section</u>
AGM-65 (MAVERICK)	Jettison (A1-F18AC-LWS-200); AGM-65 System
AGM-88 (HARM)	Jettison (A1-F18AC-LWS-200); AGM-88 System
AGM-84 Series (HARPOON/SLAM)	Jettison (A1-F18AC-LWS-200); AGM-84 System

---

**REQUIRED READING (Continued)**

---

**RESTRICTIONS:**

1. Release and Control Checks will NOT be performed with weapons loaded on the aircraft. Checks may be performed with live ammunition in the M61 drum unit assembly provided gun chambers are clear, gun electrical safety switch is extended, the manual clearing handle is in the clear position, and the electrical interface connector is disconnected and stowed.
2. These procedures are validated/verified only for software releases 92A and 10A.

**TEST EQUIPMENT/SPECIAL TOOLS:**

1. Headset H173A/AIC
2. AN/AWM-54 or AN/AWM-102 and adapters 74D750020/W-12/W-47 and 74D750037/W49
3. Proximity switch control
4. AN/AWM-92 Missile system test set
5. TS-3519D/DSM Test set simulator



**AIRCRAFT PREPARATION**

1. Aircraft grounded .....( )
2. (If applicable) Electrical power removed .....( )
3. M61 gun:
  - a. Gun electrical safety extended .....( )
  - b. Manual clearing handle clear .....( )
  - c. Gun interface connector disconnected and stowed .....( )

**WARNING**

ENSURE CARTRIDGES ARE REMOVED FROM  
ALL RACKS AND LAUNCHERS.

4. Cartridge retainers and caps removed; cartridges removed ....( )
5. Ensure AN/ALE-39A dispensers are removed .....( )
6. Cockpit/armament control switches/breakers: .....( )
  - a. Cockpit (F/A-18A, Fwd F/A-18B):
    - (1) MASTER-SAFE .....( )
    - (2) EMERG JETT - off (inner guard ring not visible) .....( )
    - (3) SELECT JETT - SAFE .....( )
    - (4) JETT - off .....( )
    - (5) RADAR - OFF .....( )
    - (6) AUX REL - NORM .....( )
    - (7) GND PWR 1, 2, 3, 4 - AUTO .....( )
    - (8) EXT PWR - OFF .....( )
    - (9) MC - NORM .....( )
  - b. (F/A-18B) Aft cockpit:
    - (1) EMERG JETT - off (inner guard ring not visible) .....( )

**WARNING**

TOT TEMP SENS PHTR, L AOA, R AOA, L PITOT  
AND R PITOT CIRCUIT BREAKERS MUST BE  
OPEN (OUT) TO PREVENT HEATING OF TOTAL  
TEMPERATURE PROBE.

- c. Circuit breaker panels:
  - (1) TOT TEMP SENS PHTR - out .....( )
  - (2) L AOA - out .....( )
  - (3) R AOA - out .....( )
  - (4) L PITOT - out .....( )
  - (5) R PITOT - out .....( )

---

**AIRCRAFT PREPARATION (Continued)**

---

7. All other switches - OFF, SAFE or NORMAL .....( )
8. Weapon insertion Panel codes - 0, 00 or STORE installed code ( )
9. (All unloaded stations) Open suspension hooks .....( )
10. Establish cockpit to ground communications .....( )

**NOTE:** THE INDICATIONS OBTAINED FROM THE DDIs  
ARE TYPICAL AND WILL VARY WITH  
SOFTWARE CHANGES. THE END RESULT  
SYSTEM GO/NO GO WILL BE AS INDICATED.

**NOTE:** DDIS ARE SELECTABLE AND MAY NOT BE AS  
INDICATED IN THE SPECIFIC CHECK.

**NOTE:** PERFORM CHECK SECTIONS REQUIRED.



---

**AGM-65E SYSTEM**

---

**CHECK PREPARATION**

1. Aircraft Preparation section completed .....( )
2. ARMAMENT, FUZING codes:
  - a. ARMAMENT - 65 (station(s) to be checked) .....( )
3. Close suspension hooks (station(s) to be checked) .....( )

**WARNING**

DO NOT CONNECT PROXIMITY SWITCH  
CONTROL TO AIRCRAFT WITH AIRCRAFT  
LAUNCH BAR IN DOWN POSITION.

4. Connect proximity switch control (nose wheelwell) .....( )

**WARNING**

TEST SET MUST BE GROUNDED TO AIRCRAFT.

5. Connect grounding strap between aircraft ground and test set ..( )
6. Connect AWM-92 power cable between utility power jack  
(nose wheelwell) and test set .....( )
7. Connect electrical power .....( )
8. (If applicable) Apply cooling .....( )

**WARNING**



PRIOR TO APPLYING POWER, COCKPIT  
SWITCHES AND CONTROLS MUST BE READY  
TO RECEIVE POWER.

9. GND PWR control panel:
  - a. EXT PWR - RESET then NORM .....( )
  - b. Switches 1, 2 - B ON .....( )
10. L and R DDIs – DAY .....( )
11. HSI OFF/NIGHT/DAY – DAY .....( )
12. HUD – on .....( )
13. (If applicable) Perform test set self test .....( )
14. Connect cable between AGM-65 adapter connector and  
test set .....( )
15. Proceed to Table I .....( )

**AGM-65E SYSTEM (Continued)**

TABLE I				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
1	AC POWER - ON.		ACFT TYPE, CLEAR, KYBD TEST, LAMP TEST, RESET, 0-9, - on.	( )
2	Press 7, 3, ACFT TYPE.		RUN - on.	( )
3	Press RUN.		MNL ACTN, RUN, 100-1 - on.	( )
4		Switch 3 - B ON.		( )
5		L DDI Press MENU, then BIT.		L DDI SMS GO, when BIT complete. ( )
6		R DDI press MENU, then STORES.		R DDI 1 MAV in wing form; SAFE - on. ( )
NOTES: ENSURE TGT IS NOT BOXED ON HSI.				
7	Press RUN.		STEP GO, RUN, 100 - 0 - on.	( )

## AGM-65E SYSTEM (Continued)

TABLE I (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
8	Press RUN.		MNL ACTN, RUN, 200-1 - on.	( )
9	LEFT, RIGHT, NOTE GEAR - WT OFF WHEELS; GEAR UPLOCK - UP.			( )
10		Select A/G.		A/G - on. ( )
11		Select MAV.		R DDI  video - on, straight grid lines, no vertical roll, no horizontal tearing, at least 6 shades of video; CAGED. ( )
12		On stickgrip designate TDC control on R DDI with castle switch.		R DDI  upper right corner. ( )

## AGM-65E SYSTEM (Continued)

TABLE I (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
13		R DDI press DLY 2.		R DDI <span style="border: 1px solid black; padding: 0 2px;">DLY 2</span> . ( )
14		L DDI press MENU, then STORES.		<del>MAV</del> L DDI <span style="border: 1px solid black; padding: 0 2px;">IMAV</span> in wingform; SAFE - on. ( )
15		MASTER - ARM; ARMAMENT OVER- RIDE - OVERRIDE.		L DDI SAFE - off; ARM - on. ( )
16	Press RUN.		MNL ACTN, RUN - on, 200-2 - on.	( )
17	Press RUN.		TIP.	( )
18		Press and release cage/uncage	STEP GO, RUN, 200-0 - on.	<del>MAV</del> ; CAGED. ( )
19		Press and release TDC.		L DDI <span style="border: 1px solid black; padding: 0 2px;">MAV</span> ; RDY - on; R DDI UNCAGED. ( )



**AGM-65E SYSTEM (Continued)**

TABLE I (Continued)					
PROCEDURE			INDICATION		
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT	
20		R DDI press UFC.			( )
21		UFC press 1111, then ENT.		R DDI 1111 - on.	( )
22	Press RUN.		MNL ACTN, RUN, 400-1 - on.		( )
23		R DDI press UFC.			( )
24		UFC press 1,2,2,2.			( )
NOTES: STEP 25 MUST BE COMPLETED WITHIN 30 SECONDS.					
25	Press RUN.	UFC press ENT.	MNL ACTN, RUN, 400-2 - on.	R DDI 1222 - on.	( )




**AGM-65E SYSTEM (Continued)**

TABLE I (Continued)					
PROCEDURE			INDICATION		
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT	
26		R DDI press UFC.			( )
27		UFC press 1,3,3,3.			( )
NOTES: STEP 28 MUST BE COMPLETED WITHIN 30 SECONDS.					( )
28	Press RUN.	UFC press ENT.	STEP GO, RUN, 400-0 - on.	R DDI 1333 - on.	( )
29	Press RUN.		MNL ACTN, RUN, 800-1 - on.		( )
30		On stickgrip designate TDC control on HUD with castle switch.			( )
31		Press and release cage/uncage.			( )

## AGM-65E SYSTEM (Continued)


TABLE I (Continued)					
PROCEDURE			INDICATION		
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT	
32		Press and release TDC.		HUD  - on; HSI <span style="border: 1px solid black; padding: 0 2px;">TGT</span> .	( )
33		Move TDC full left, right, forward, aft back to center and release.		HUD  - full left, right, down and up.	( )
34	Press RUN.		MNL ACTN, RUN, 800-2 - ON.		( )
35	Press RUN.		STEP GO, RUN 800-0 - ON.		( )
36	Press RUN.	HSI press TGT.	MNL ACTN, RUN, 900-1 - ON.	HSI TGT is removed. WYPT appears.	( )

## AGM-65E SYSTEM (Continued)

TABLE I (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
37		On stick grip designate TDC control on R DDI with castle switch.		R DDI  - upper right; HUD  - off. ( )
38		Press and hold TDC.		( )
39	Press RUN.		MNLACTN, RUN, 900-2 - ON.	( )
40		Move TDC full left, right, forward, aft and release.		HUD  - full left, right, down and up. ( )
41	Press RUN.		STEP GO, RUN, 900-0 - on.	( )



## AGM-65E SYSTEM (Continued)

TABLE I (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
42	Press RUN.		MNL ACTN, RUN, 1000-1 - on.	( )
43	Press RUN.		TIP - on.	( )
44		Press and release bomb button.	STEP GO, RUN, 1000-0 - on.	 ; RDY - off. ( )
45	Press RUN.		STEP GO, RUN, 1100-0 - on.	( )
46	Press RUN.		UUT GO - on.	( )
47		Deselect MAV; Deselect A/G; MASTER - SAFE.		L DDIMAV; A/G - off; ARM - off, SAFE - on. ( )

**AGM-65E SYSTEM (Continued)**

TABLE I (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
48	GEAR UPLOCK - NORM; LEFT, RIGHT, NOSE GEAR - NORM.			( )
49	AC POWER - OFF.			( )
NOTE: PROCEED TO STEP 53 IF NO OTHER STATIONS ARE TO BE CHECKED.				
50	Switch 3 - AUTO.			( )
51	Disconnect/transfer AWM-92 to next station to be checked.			( )
52	Repeat steps 1 thru 51 for remaining stations to be checked.			( )
53	L and R DDIs - OFF; HUD - OFF; HSI - OFF.		Displays - off.	( )

**AGM-65E SYSTEM (Continued)**

TABLE I (Continued)				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
54		EXT PWR - OFF.		( )
55	Disconnect/remove test equipment.			( )
56	Proceed to Postcheck if no other checks are to be performed.			( )

---

**AGM-88 SYSTEM**

---

**CHECK PREPARATION**

1. Aircraft Preparation section completed .....( )
2. ARMAMENT, FUZING codes:
  - a. ARMAMENT - 64 (station(s) to be checked) .....( )
3. Close suspension hooks (stations(s) to be checked) .....( )

**WARNING**

DO NOT CONNECT PROXIMITY SWITCH  
CONTROL TO AIRCRAFT WITH AIRCRAFT  
LAUNCH BAR IN DOWN POSITION.

4. Connect proximity switch control (nose wheelwell) .....( )

**WARNING**

TEST SET MUST BE GROUNDED TO AIRCRAFT.

5. Connect grounding strap between aircraft ground and test  
set .....( )
6. Connect AWM-92 power cable between utility power jack  
(nose wheelwell) and test set .....( )
7. Connect electrical power .....( )
8. (If applicable) Apply cooling .....( )

**WARNING**

PRIOR TO APPLYING POWER, COCKPIT  
SWITCHES AND CONTROLS MUST BE READY  
TO RECEIVE POWER.

9. GND PWR control panel:
  - a. EXT PWR - RESET then NORM .....( )
  - b. Switches 1, 2 - B ON .....( )
10. L and R DDIs - DAY .....( )
11. (If applicable) Perform test set self test .....( )
12. Connect cable between AGM-88 adapter connector and test  
set .....( )
13. Proceed to Table II .....( )

## AGM-88 SYSTEM (Continued)

TABLE II				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
1	AC POWER - ON.		ACFT TYPE, CLEAR, KYBD TEST, LAMP TEST, RESET, 0-9, - on.	( )
2	Press 1, 8, ACFT TYPE.		RUN - on.	( )
3	Press RUN.		MNL ACTN, RUN, 100-1 - on.	( )
4		Switch 3 - B ON.		( )
5		L DDI press MENU, then BIT.		L DDI - SMS GO, when BIT complete. ( )
6		R DDI press MENU, then STORES.		R DDI 1 HARM in wing form; SAFE - on. ( )
7	Press RUN		STEP GO, RUN, 100-0 - on.	( )

**AGM-88 SYSTEM (Continued)**

TABLE II (Continued)				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
8	Press RUN.		MNL ACTN, RUN, 200-2 - on.	( )
9	Press RUN.		TIP, END TEST - on.	( )
10		L DDI press SMS/ CLC/WPNS.		L DDI - SMS/CLC/ WPNS IN TEST - on, then off; SMS/CLC/ WPNS GO - on. ( )
11	LEFT, RIGHT, NOSE GEAR - WT OFF WHEELS; GEAR UPLOCK - UP.	Select A/G.		A/G - on; R DDI - 1 HARM STBY in wingform ( )
12		MASTER - ARM; ARMAMENT OVER- RIDE - OVERRIDE.		R DDI ARM - on; SAFE - off. ( )

## AGM-88 SYSTEM (Continued)

TABLE II (Continued)				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
13		R DDI select HARM.		<del>HARM</del> ; R DDI - HARM display appears. ( )
14		L DDI press MENU, then STORES.		L DDI 1 <del>HARM</del> in wingform. STBY - on. ( )
15		R DDI select PB.		R DDI <del>PB</del> . ( )
16		R DDI select TOO.		R DDI <del>TOO</del> ; PB. ( )
NOTE: GEO ID MAY APPEAR BELOW ELT.				
17		R DDI select CLASS, then SID.		CLC-5.X, ELT-5.XX, (If applicable) GEO ID GT (station being checked) in SID wingform. ( )

## AGM-88 SYSTEM (Continued)

TABLE II (Continued)				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
18		R DDI select CLASS, then GND.		R DDI targets appear. ( )
19		Press and release RAID/FLIR several times.		R DDI selected target varies. ( )
20		Press and release cage/uncage.		<del>HARM</del> ; RDY - on; L DDI 1 <del>HARM</del> RDY in wingform; R DDI H - OFF and single boxed target. ( )
21		R DDI press RESET.		<del>HARM</del> ; RDY - off; L DDI 1 <del>HARM</del> STBY in wingform; R DDI targets appear. ( )



## AGM-88 SYSTEM (Continued)

TABLE II (Continued)					
PROCEDURE			INDICATION		
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT	
22		R DDI select CLASS, then SID.		CLC-5.X; ELT-5.XX, (If applicable) GEO ID GT (station being checked) in SID wingform.	( )
23	Press END TEST.		STEP GO, RUN, 200-0 - on.		( )
24	Press RUN.		STEP GO, RUN, 300-0 - on.		( )
25	Press RUN.		TIP, END TEST, 400-0 - on.		( )
26		R DDI select CLASS, then GND.		R DDI targets appear.	( )

## AGM-88 SYSTEM (Continued)

TABLE II (Continued)				
		PROCEDURE		INDICATION
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
27		Press and release cate/uncage		<del>HARM</del> ; RDY - on; L DDI 1 <del>HARM</del> RDY in wingform; R DDI H - OFF and single boxed target. ( )
28		Press and release bomb button.	STEP GO, RUN, 400-0 - on.	<del>HARM</del> ; L DDI HARM H+LKD; R DDI - HARM display is removed. ( )
29	Press RUN.		MNL ACTN, RUN, 500-3 - on.	( )
30		SELECT JETT - STORES.		Ground safety handles - UNLOCKED. ( )
31		Select JETT STATION SELECT (station being checked).		Selected station light - on. ( )

## AGM-88 SYSTEM (Continued)

TABLE II (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
NOTES: STEP 32 MUST BE COMPLETED WITHIN 10 SECONDS.				
32	Press RUN.	Press and release SELECT JETT - JETT.	STEP GO, RUN, 500-0 - on.	L DDI HARM; H+LKD - off. ( )
33	Press RUN.		MNL ACTN, RUN, 600-4 - on.	( )
34		Deselect A/G; MASTER - SAFE.		A/G - off, ARM - off, SAFE - on. ( )
35	GEAR UPLOCK - NORM; LEFT, RIGHT, NOSE GEAR - NORM.			( )
36		Deselect JETT STATION SELECT; SELECT JETT - SAFE.		Selected station light off. ( )

**AGM-88 SYSTEM (Continued)**

TABLE II (Continued)				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
37	Press RUN.		STEP GO, RUN, 600-0 - on.	( )
38	Press RUN.		UUT GO - on.	( )
39	AC POWER - OFF.	Deselect HARM.		HARM. ( )
NOTE: PROCEED TO STEP 43 IF NO OTHER STATIONS ARE TO BE CHECKED.				
40		Switch 3 - AUTO.		( )
41	Disconnect/transfer AWM-92 to next station to be checked.			( )
42	Repeat steps 1 thru 41 for remaining stations to be checked.			( )
43		L and R DDIs - OFF.		Displays - off. ( )
44		EXT PWR - OFF.		( )
45	Disconnect/remove test equipment.			( )
46	Proceed to Postcheck if no other checks are to be performed.			( )

---

**AGM-84 SYSTEM**

---

**CHECK PREPARATION**

1. Aircraft Preparation section completed .....( )
2. ARMAMENT, FUZING codes:
  - a. ARMAMENT - 62 (station(s) to be checked) .....( )
3. Close suspension hooks (station(s) to be checked) .....( )

**WARNING**

DO NOT CONNECT PROXIMITY SWITCH  
CONTROL TO AIRCRAFT WITH AIRCRAFT  
LAUNCH BAR IN DOWN POSITION.

4. Connect proximity switch control (nose wheelwell) .....( )

**WARNING**

TEST SET MUST BE GROUNDED TO AIRCRAFT.

5. Connect ground cable between test set and aircraft .....( )
6. Connect test set to harpoon adapter cable (first station in firing sequence) .....( )
7. Connect electrical power .....( )
8. (If applicable) Apply cooling .....( )

**WARNING**

PRIOR TO APPLYING POWER, COCKPIT  
SWITCHES AND CONTROLS MUST BE READY  
TO RECEIVE POWER.

9. GND PWR control panel:
  - a. EXT PWR - RESET then NORM .....( )
  - b. Switches 1, 2 - B ON .....( )
10. TS-3519D/DSM:
  - a. DAY, OFF, NIGHT - DAY or NIGHT as required .....( )
  - b. Perform self test .....( )
11. Proceed to Table III .....( )

**AGM-84 SYSTEM (Continued)**

TABLE III				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
1		L and R DDIs - DAY.		Displays appear after warmup. ( )
2	Toggle MASTER RESET; Select 02, toggle ENTER.			( )
3	Select 02, toggle ENTER.		3 PH AC A*B*C - NO GO; DC WARMUP - NO GO; STATION DESELECT; MGU/ SKR HTR PWR - NO GO; BATTERY HTR PWR - NO GO; MISSILE PRESENT; MISSILE SAFE.	( )
4		Switch 3 - B ON.		( )
5		L DDI press MENU, then BIT.		SMS GO when BIT complete. ( )

## AGM-84 SYSTEM (Continued)

TABLE III (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
6		R DDI press MENU, then STORES.	MGU/SKR HTR PWR - GO; BATTERY HTR PWR - GO.	1 HP in wingform SAFE - on.  ( )
7	LEFT, RIGHT, NOSE GEAR - WT OFF WHEELS; GEAR UPLOCK - UP.			( )
8		MASTER - ARM; ARMAMENT OVER- RIDE - OVERRIDE.		SAFE - off; ARM - on.  ( )
9		Select A/G.	DC WARMUP - GO.	A/G - ON. ( )
10	AWM-102 - ON.	Install arming wire in nose arming solenoid; Latch nose ZRF arming unit (station being checked). Select HP.	3 PH ACA*B*C - GO; STATION SELECT; MGU/SKR HTR PWR - NO GO; BATTERY HTR PWR - NO GO.	[HP]; RDY - on; [1 HP] in wingform.  ( )

## AGM-84 SYSTEM (Continued)

TABLE III (Continued)					
PROCEDURE			INDICATION		
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT	
11	Connect test set and 74D750020/W-12/W-47 adapter to fwd breech (station being checked).				
( )					
NOTE: OBSERVATION OF INDIVIDUAL INDICATIONS DURING LAUNCH SEQUENCE IS NOT REQUIRED. END RESULT MUST BE AS INDICATED.					
12	(AWM-54) FCTN - F/C; Press and hold TEST. (AWM-102) Select FC.	Press and hold bomb button; Open bomb rack suspension hooks (station being checked).	3 PH ACA*B*C - NO GO; DC WARMUP - PWR - NO GO; ITL; STATION SELECT; MGU/SKR HTR PWR - NO GO; BATTERY HTR PWR - NO GO; MISSILE UNSAFE; (AWM-54) GO. (AWM-102) FC displayed, then GO.	Arming wire retained; ZRF arming unit remains latched.	
( )					
13	(AWM-54) Release TEST.	Release bomb button.		[HP] ; RDY - off; HP in wingform; (arming solenoid) arming wire released.	
( )					




## AGM-84 SYSTEM (Continued)

TABLE III (Continued)				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
14	(AWM-54) FCTN - S/V; Press and release TEST. (AWM-102) Select, then deselect SV.		(AWM-54) GO. (AWM-102) SV displayed, then GO.	( )
15		MASTER - SAFE. Deselect A/G.		ARM - off; SAFE - on; A/G - off. ( )
16	GEAR UPLOCK - NORM; LEFT, RIGHT, NOSE GEAR - NORM.	Close bomb rack suspension hooks (station being checked).		( )
17	Toggle MASTER RESET.		Main menu display - on.	( )
18	Select 02, toggle ENTER.			( )
19	Select 01, toggle ENTER.			( )

**AGM-84 SYSTEM (Continued)**

TABLE III (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
20	Select 01, toggle ENTER.		MSL ENBL - F.	( )
21	Select 09, toggle ENTER.			( )
22	Select 02, toggle ENTER.		3 PH AC A*B*C - NO GO; DC WARMUP - NO GO; STATION DESELECT; MGU/ SKR HTR PWR - NO GO; BATTERY HTR PWR - NO GO; MISSILE PRESENT; MISSILE SAFE.	( )
23		Select, then deselect A/G.	MGU/SKR HTR PWR - GO; BAT- TERY HTR PWR - GO.	A/G - on, then off, 1 HP in wingform. ( )
24	LEFT, RIGHT, NOSE GEAR - WT OFF WHEELS; GEAR UNLOCK - UP.			( )

## AGM-84 SYSTEM (Continued)

TABLE III (Continued)					
PROCEDURE			INDICATION		
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT	
25		Select A/G.		A/G - on.	( )
26		MASTER - ARM; ARMAMENT OVERRIDE - OVERRIDE.	3 PH AC A*B*C - GO; DC WARMUP PWR - GO; STATION SELECT; MGU/SKR HTR PWR - NO GO; BATTERY HTR PWR - NO GO; MISSILE PRESENT; MISSILE SAFE.	SAFE - off; ARM - on; [HP] ; RDY - on; [1 HP] in wingform.	( )
27	(AWM-54) FCTN - S/V; press and hold TEST. (AWM-102) Select, then deselect SV.	Press and hold bomb button for a minimum of 5 seconds, then release.	MISSILE ENABLE DISCRETE FAULTED; (AWM-54) GO. (AWM-102) SV displayed, then GO.	 ; RDY - off; 1 HP FAIL in wingform.	( )
28	(AWM-54) Release TEST.				( )

## AGM-84 SYSTEM (Continued)

TABLE III (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
NOTE: IF ENTER IS HELD FOR TOO LONG, THE REQUIRED DISPLAY WILL BE STEPPED OVER AND CANNOT BE RECALLED. IF NECESSARY, REPEAT TEST FROM STEP 15.				
29	Momentarily toggle ENTER.		ABORT CMD RECEIVED; 3 PH AC A*B*C - NO GO; DC WARMUP - NO GO; STATION DE-SELECT; ITL; MGU/SKR HTR PWR - NO GO; BATTERY HTR PWR - NO GO; MISSILE PRESENT; MISSILE UNSAFE; ABORT RESPONSE SENT.	( )
30		MASTER - SAFE; Deselect A/G.		ARM - off; SAFE - on; A/G - off. ( )
31	GEAR UPLOCK - NORM; LEFT, RIGHT, NOSE GEAR - NORM.			( )

## AGM-84 SYSTEM (Continued)

TABLE III (Continued)				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
32	Toggle MASTER RESET.		Main menu display - on.	( )
33	Select 02, toggle ENTER.			( )
34	Select 01, toggle ENTER.			( )
35	Toggle ENTER.		MSL PRES - F.	( )
36	Select 09, toggle ENTER.			( )
37	Select 02, toggle ENTER.		3 PH AC A*B*C - NO GO; DC WARMUP - PWR - NO GO; STATION DE-SELECT; MGU/SKR HTR PWR - NO GO; BATTERY HTR PWR - NO GO; MISSILE PRESENT; MISSILE SAFE.	( )

## AGM-84 SYSTEM (Continued)

TABLE III (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
38		Select, then deselect A/G.		A/G - on, then off; <del>HP</del> ; 1 HP in wing form. ( )
39	LEFT, RIGHT, NOSE GEAR - WT OFF WHEELS; GEAR UPLOCK - UP.	MASTER - ARM; ARMAMENT OVER- RIDE - OVERRIDE.		SAFE - off; ARM - on; LKD appears. ( )
40		Select A/G.	3 PH ACA*B*C - GO; DC WARMUP PWR - GO; STATION SELECT; MGU/SKR HTR PWR - NO GO; BATTERY HTR PWR - NO GO; MISSILE PRESENT; MISSILE SAFE.	A/G - on; <span style="border: 1px solid black;">HP</span> ; RDY - on; <span style="border: 1px solid black;">1 HP</span> in wingform; LKD is removed. ( )

## AGM-84 SYSTEM (Continued)

TABLE III (Continued)				
PROCEDURE			INDICATION	
STEP	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
41	FCTN - F/C; (AWM-54) Press and hold TEST. (AWM-102) Select FC.	Press and release bomb button; Open suspension hooks (station being checked).	MISSILE PRESENT DISCRETE FAULTED; (AWM-54) GO. (AWM-102) FC displayed, then GO.	<del>HP</del> ; RDY - off; HP wingform.  ( )
42	(AWM-54) Release TEST.			( )
43	(AWM-54) FCTN - S/V; Press and release TEST. (AWM-102) Select, then deselect SV.		(AWM-54) GO. (AWM-102) SV displayed, then GO.	( )
44		MASTER - SAFE; Deselect A/G.		ARM - off; SAFE - on; A/G - off. ( )
45	GEAR UPLOCK - NORM; LEFT, RIGHT, NOSE GEAR - NORM.			( )

**AGM-84 SYSTEM (Continued)**

TABLE III (Continued)				
STEP	PROCEDURE		INDICATION	
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT
46	DAY, OFF, NIGHT - OFF.	Deselect HP.		HP. ( )
NOTE: IF NO OTHER STATIONS ARE TO BE CHECKED, PROCEED TO STEP 51.				
47		Switch 3 - AUTO		( )
48	Disconnect/transfer test sets to next station to be checked.			( )
49	DAY, OFF, NIGHT - DAY or NIGHT as required.			( )
50	Repeat steps 2 thru 49 for remaining stations to be checked.			( )
51		L and R DDIs - OFF.		Displays - off. ( )



**AGM-84 SYSTEM (Continued)**

TABLE III (Continued)					
STEP	PROCEDURE		INDICATION		
	TEST SET	AIRCRAFT	TEST SET	AIRCRAFT	
52		EXT PWR - OFF.			( )
53	AWM-102 - OFF; disconnect/remove test equipment.				( )
54	Proceed to Postcheck if no other checks are to be performed.				( )

---

**POSTCHECK**


---

1. Aircraft grounded .....( )
2. (If applicable) Electrical power removed .....( )
3. (If applicable) Remove cooling air .....( )
4. (M61 Gun) Gun interface connector disconnected  
and stowed .....( )
5. Cockpit/armament control switches:
  - a. Cockpit (F/A-18A, Fwd F/A-18B):
    - (1) MASTER - SAFE .....( )
    - (2) EMERG JETT - off (inner guard ring not visible) .....( )
    - (3) SELECT JETT - SAFE .....( )
    - (4) JETT - off .....( )
    - (5) RADAR - OFF .....( )
    - (6) AUX REL - NORM .....( )
    - (7) GND PWR 1, 2, 3, 4 - AUTO .....( )
    - (8) EXT PWR - OFF .....( )
    - (9) MC - NORM .....( )
  - b. (F/A-18B) Aft cockpit:
    - (1) EMERG JETT - off (inner guard ring not visible) .....( )
6. All other switches - OFF, SAFE or NORMAL .....( )
7. ARMAMENT OVERRIDE - NORM (down) .....( )
8. Weapons insertion panel codes - 0,00 or STORE installed  
code .....( )
9. (All unloaded stations) Open suspension hooks .....( )
10. (If applicable) Reinstall ALE-39 dispensers .....( )
11. Disconnect/remove test equipment from aircraft and area .....( )
12. (If applicable) Install/close all access doors and panels .....( )
13. Report status to proper authority .....( )